

CLAIMS

sub  
A1  
1. A window sealing and guiding channel for a window opening having a sharp corner, comprising a channel base (22) and first and second integral channel side walls (24,26) made of flexible material, each side wall (24,26) having a lip (28,30) extending along its distal edge, the lip (28) on the first side wall (24) being separated from that side wall (24) over a region extending along a portion of the channel including the sharp corner, the separated lip smoothly bridging across the sharp corner, the lip (30) on the second side wall (26) being separated from that side wall at the corner and mitre-cut there to form a mitre joint matching the sharp angle, an insert (47,48) being secured between the separated lip (28) of the first side wall (24) and the remainder of that side wall (24) over the said region, characterised in that the channel further comprises a third wall (25) extending from the channel base (22) adjacent the first side wall (24) and made of flexible material, the third wall (25) having a lip (29) extending along its distal edge which is separated from that side wall (25) at the corner and which follows a smooth curve between the mitre joint of the second side wall lip (26) and the curve of the first side wall lip (28) and which thereby substantially overlies the said insert.

2. A channel according to claim 1, characterised in that the base (22) and at least parts of the walls (24,25,26) are removed at the sharp corner and replaced by corresponding parts of the said insert (47,48), the corresponding parts being secured in position in the channel.

3. A channel according to claim 1 or 2, characterised in that the lip (28) of the said first side wall (24) is separated from that side wall (24) not only over the said region but also to an end of the channel, the separated lip (28) being re-secured to the first side wall (24) outside the said region.

4. A channel according to any preceding claim, characterised in that the lip (29) of the third wall (25) is separated from that wall (25) not only over the said region but also to an end of the channel, the separated lip (29) being re-secured to the third wall (25) outside the said region.

5. A channel according to any preceding claim, characterised in that the insert (47) is a moulded insert.

6. A channel according to any preceding claim, characterised in that the insert (47) is secured using an adhesive material.

7. A channel according to any of claims 1 to 5, characterised in that the insert (47) is secured by being moulded onto the channel base (22) and walls (24,25,26).

8. A channel according to any preceding claim characterised in that the channel base (22), side walls (24,25,26) and lips (28,29,30) are produced by extrusion.

9. A window sealing and guiding channel for sealing and guiding a window glass having a sharp corner, the channel having a base (22) and integral first (24) and second (26) channel walls each having a distal edge carrying a respective lip (28,30), the first wall (24) being cut through to separate its distal edge portion including the lip (28) from the remainder of the wall (24), the cut extending along the length of the each wall (24) from a first position on one side of the sharp corner, and through the sharp corner, the second wall (26) being cut through at the sharp corner to separate a distal edge portion thereof including the respective lip (30) from the remainder of that wall (26), the distal edge portion of the second wall (26) being itself cut through at the sharp corner to form a mitred joint therein matching the sharp corner, the distal edge portion of the first wall (24) being formed into a smooth curve bridging across the sharp corner, an insert (47,48) being secured in position between and spacing apart the distal edge portion of the first wall (24) and the said remainder thereof, the insert (47,48) having a size which from the said first position to the sharp corner progressively increases the spacing between the distal edge portion of the first wall (24) and the remainder thereof and thereafter progressively decreases that spacing to zero at a second position on the opposite side of the sharp corner to the first position, characterised in that the channel has a third channel wall (25) having a distal edge carrying a respective lip (29), the third wall (25) being adjacent the first side wall (24) and being cut through to separate its distal edge portion including the lip (29) from the remainder of the wall, the cut extending along the length of the wall (25) from the first position and through the sharp corner, the distal edge portion of the third wall (25)

being formed into a smooth curve bridging across the sharp corner between the smooth curve of the distal edge portion of the first wall (24) and the mitred joint of the distal edge portion of the second wall (26) and overlying the insert (47,48), the remainder of the first, second and third walls (24,26,25) and the base (22) of the channel being removed at the sharp corner and replaced by a moulded channel part (50) integrally moulded with the insert (47,48).

10. A channel according to claim 9, characterised in that the insert (47,48) is previously produced by a moulding operation.

11. A channel according to claim 9 or 10, characterised in that the respective lips (28,29) of the first and third walls (24,25) partially bridge across the mouth of the channel for contacting and sealing against opposite sides of the window glass.

12. A channel according to any preceding claim, characterised by a lip (44) within the channel and incliningly extending from the base (22) thereof for engaging an edge of the window glass.

13. A channel according to any preceding claim, characterised in that the window glass is a slidable window glass in a motor vehicle.

14. A channel according to claim 13, characterised in that it is mounted in a rigid

14

frame (12,20) carried by the door of the motor vehicle.

5

10

15

20